

# Notice of Allowability

Application No.

10/734,869

Examiner

John S. Chu

Applicant(s)

WEST ET AL.

Art Unit

1752

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 12/12/03.
2. ☒ The allowed claim(s) is/are 1-15.
3. ☐ The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All   b) ☐ Some\*   c) ☐ None   of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 2/19/04
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

### REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance: The claimed invention is drawn to the following:

1. An imageable composition comprising:
  - at least one ethylenically unsaturated monomer capable of free radical initiated addition polymerization;
  - a photoinitiator system; and
  - about 0.01 wt% to about 5 wt% of curcumin.
13. A method for forming an image, the method comprising the steps of:
  - a) imaging an imageable element comprising an imageable layer over a support and forming an imaged imageable element comprising imaged regions and complementary unimaged regions in the imageable layer; and
  - b) developing the imaged imageable element in a developer and removing the unimaged regions without removing the imaged regions;in which  
the imageable layer comprises:
  - at least one ethylenically unsaturated monomer capable of free radical initiated addition polymerization;
  - a photoinitiator system; and
  - about 0.01 wt% to about 5 wt% of curcumin; andimaging is carried out with ultraviolet or visible radiation.

The claimed invention is the recited use of the particular amount of curcumin in the composition comprising an ethylenically unsaturated monomer and a photoinitiator system. The use of curcumin is known to be present in anti-reflective compositions as seen in PARK et al '755, BREYTA et al '562 and THACKERAY et al '670 as a dye.

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The use of curcumin dye is also found as an additional photosensitizer or coinitiator in photopolymerizable compositions in KUNIMOTO et al '596, however the particular motivation to use a specific amount of the curcumin dye, selected among a myriad number of dyes as seen in subparagraphs [0222] – [0238] is not present. Further applicants demonstrate in comparative examples 1 and 2 the unexpected nature of the composition comprising a curcumin compound wherein the composition possesses no halation effects compared to those photopolymerization composition without the curcumin dye.

Because none of the prior art references of record anticipate or render obvious the claimed invention, claims 1-15 are seen as allowable and passed to issue

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Chu whose telephone number is (571) 272-1329. The examiner can normally be reached on Monday - Friday from 9:30 am to 6:00 pm.

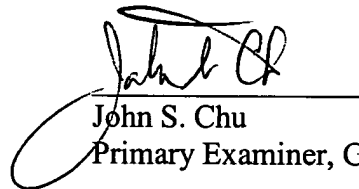
The fax phone number for the USPTO is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (571) 272-1700.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

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applications is available through Private PMR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



John S. Chu  
Primary Examiner, Group 1700

J.Chu  
March 20, 2005